

ABSTRACT OF THE DISCLOSURE

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A shock absorber comprises a magnetized plunger and a conductive coil disposed about the magnetized plunger. The coil forms a circuit that generates an electromagnetic force so as to damp movement of the magnetized plunger and a wheel coupled to the magnetized plunger. Movement of the magnetized plunger within the conductive coil may itself create a current, which may be stored by a battery for subsequent use.

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